Sanitized Copy Approved for Release 2011/09/14: CIA-RDP80-00809A000600350058-9

SECRET SECRET CLASSIFICATION CENTRAL INTELLIGENCE AGENCY REPORT INFORMATION FROM FOREIGN DOCUMENTS OR RADIO BROADCASTS CD NO. DATE OF COUNTRY USSR INFORMATION 1947 Scientific - Medicine, glanders **SUBJECT** DATE DIST. 3 Oct 1950 HOW Book **PUBLISHED** WHERE NO. OF PAGES **PUBLISHED** Moscow DATE **PUBLISHED** 1947 SUPPLEMENT TO REPORT NO. Russian LANGUAGE THIS DOCUMENT CONTAINS IMPORMATION AFFECTING THE MATIONAL DEFE OF THE UNITED STATES AITHIN THE MEANING OF ESPIONAGE ACT U. S. C. 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVOLLAT OF LITE CONTRINE IN ANY MARKET TO AN UNAUTHORIZED PERSON IS F WISHTED BY LAW. REPRODUCTION OF THIS FORE IS PROMISITED. THIS IS UNEVALUATED INFORMATION

50X1-HUM

50X1-HUM

# TABLE OF CONTENTS FOR PROFESSORS N.YB. TSVETKOV AND V.Z. CHERNYAK'S BOOK, "GLANDERS"

SOURCE

Sap

This second edition, intended for veterinary personnel, was published by authority of the State Publishing House for Agricultural Literature. It was printed by the First Printing Office of Mashgiz, a publishing house for machine literature located at No 10 Moisenyko Ul. in Leningrad. The book contains a considerable bibliography of both Soviet and foreign publications, the latter being much more extensive.

TABLE OF CONTENTS	Page
Foreword	3
I. Development of the Study of Glanders	5
Distribution of Glanders	7
General Information	?
Glanders in Various Forms for the Past Thirty years	9
Glanders in Prerevolutionary Russia	10
Geographic Distribution of Glanders in Prerevolutions	ry
Russia	11
Principles of the Propagation of Glanders and its Con-	trol 14
Effect of the Time of the Year and Local Conditions	14
Governmental of Glanders in Prerevolutionary Russia	17
Various Social Conditions and Their Effect on the Con-	trol of
Glanders	22
Glanders in the Army	23
Methods for Diagnosing Glanders Which Were in Use in	
Methods for Distributing Orange auton ware in ole in	23
revolutionary Russia	
Clinical and Bacteriological Methods	23 24
Allergy Test Method	26
Serological Test Method	
Scientific Research Work and Study of Glanders in Pre	*Le40-
lutionary Russia	29
mm on about the additions	29
II. The Carrier of Glanders	6.7
Morphology of B. mallei	29
. Markenael or m. maman	- <b>F</b>

SECRET CLASSIFICATION DISTRIBUTION STATE ARMY

### SECRET

SECRET

50X1-HUM

	$(a_{n+1}, \dots, a_{n+1}) = (a_{n+1}, \dots, a_{n+1}) + \sum_{i=1}^{n} (a_{n+1}, \dots, a_{n+1})$	Pag
	Dissociatic, of the Microbe	32 32
	Glanders-Causing Microbes	_
	Staining of Microbes	33
	Biology	34
	Culturing of Microbes and Media Used for Culturing	al.
	Microbes	34
	Growth of Microbes on Nutrient Media	35
	Ability of Glanders Microtes to Live on an Artificial	0.77
	Nutrient Media	37
	Action of Physical and Chemical Factors on Glanders	~=
	Microbes	37
	Physical Factors	38
	Chemical Substances	39
	Disinfection	40
	Pathogeniety	41
III.	Means for Natural Propagation of Glanders	44
	Sources of Infection	44
	Alimentary Infection	46
	Aerogenic Infection	47
	Dermal (Skin) Infection	48
	Infection through the Mucous Membrane of the Conjunctiva	
	and Sex Organs	50
	Experimental Infection	50
IV.	The Pathologic Anatomy and Questions of Pathogenesis	52
	Historical Information	52
	The "Gates" for Infection and the Means for Its Propagation	55
		56
	General Characteristics of Changes Caused by Glanders	61
	Histogenisis of Glanders Infection	64
	Localization of Glanders Infection	. 04
	Glanders Infection in the Various Organs of the Animal's	- 66
		66
	Glanders in the Lungs Glanders of the Lymphatic Cells	. 76
	Glanders in the Nasal Passages	78 82
	Glanders in the Throat and Trachae	82
	Glanders of the Skin	02
	Glanders of the Kidney	85 86
	Glanders of the Spleen	OO
	Glanders of the Bones	87
	Infection of the Organs Which Infrequently Have Localized	88
	Glanders: Condition	
	Information on So-Called Open (Active) and Closed (Inactive)	88
	Forms of Glanders	90
	Pathologico-Anatomical Types of Glanders in Horses Morphological Changes and the Immunologico-Biological	90
	Reactions	93
	Differential Pathologico-Anatomical Diagnosis	94
	221141 31141 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4	•
7. 8	Symptomatology and the Course of Glanders	100
	GIanders in Horses	100,
	Incubation Period	100,
	Acute Glanders	101
	Chronic Glanders	104
	Pulmonary Glanders	1043
	Nasal Glanders	104

. 2ئد

SECRET

SECRET

#### SECRET

50X1-HUM

SECRET Page 106 Skin Glanders 108 Glanders in the Excretory Organs 109 Glanders in Mules and Dorkeys The Course of the Glanders Process 110 112 VI. Epizootology of Glanders Factors Which Control or Affect the Enzootic and the Epizootic propagation of Glande s 112 The Character of the Course of Glanders, Various 114 Clinical Factors, and Dependence on Enviorement Epizocological Characteristics of a Group of "Malleinovykh" Horses (Horses which react unfavorably 118 to a Mallein test Measures to be Taken for Raising Healthy Colts From Mares Which Had Biological Reactions to Glanders 123 126 VII. Diagnosis of Glanders 126 Epizootological Examination 127 Clinical Examination 128 Bacteriological Examination 131 Various Allergy Tests Mallein Tests Subcutaneous Tests Skin Test Intracutaneous Test Intraparietal Test Eye Test Passive Anaphylaxis in the Diagnosis of Glanders 154 154 Serological Diagnosis of Glanders 155 Agglutination Test 157 Precipitation Test Reaction Connected With the Complement Fixation . 158 Test of Bordet Gengoun (ASK) 189 Various Auxiliary Serological Methods Diagnosis of Glanders for Various Forms and Stages in 200 the Course of Clanders Processes 200 Diagnosis of Acute and Chronic Glanders Diagnosis of Deep-Rocted Chronic Cases of Glanders 201 Differential Diagnosis, Specific and Non-specific 201 Ophthalmological Reactions Diagnosis of Glanders According to the White Blood Corpuscles and the Condition of the Albumin 202 204 Diagnosis of Glanders in Colts (Zherebyat) Diagnosis of Noncompensating and of Nonstable Compen-206 sating Form of Glanders VIII. Problems of Immunity and Treatment of Glanders 211 211 Immunity Immunization Against Glanders 214 214 Active Immunization 217 Passive Immunization Treatment of Glanders IX. Various Organized Methods for the Control of Glanders 220 in the USSR Various Programs for the Control of Glamlers on broth of 223 Various Degrees in the Control of Glanders the Togues in the control of Close an

> - 3 -SECRET

#### SEGRET

50X1-HUM

## SECRET

	SECRET	
		Page
Scientific Research Work Prophylactic and Control Measures in the Control of Glanders	224	
	227	
	Various Steps Necessary for the Diagnostic Study of Glanders	230
ζ.	Glanders in Man	235
	Historical Information Acute Glanders Chronic Glanders	235 236 237
	Methods for the Protection of People From Infection by Glanders Ribliography	238 240

- END -

~ 4 -

SECRET

SECRET